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RESUME OF DONALD ALFRED DANIELSON

Don Danielson was born in Santa Maria, CA in 1942. He obtained his B.S. degree in mathematics from the Massachusetts Institute of Technology in 1964, and his Ph.D. degree in applied mathematics from Harvard University in 1968. His doctoral dissertation was on the buckling and postbuckling behavior of submersible pressure vessels. He then spent six months as a post-doctoral research fellow at Harvard University.



In the fall of 1968 he became Assistant Professor of Applied Mathematics in the Department of Applied Mathematics and Computer Science at the University of Virginia. He was promoted to Associate Professor in 1974 and held this position until 1979. He then was a Visiting Professor in the Department of Applied Mechanics & Engineering Sciences at the University of California in San Diego. In 1985 he joined the faculty of the Naval Postgraduate School where he is currently Associate Professor of Mathematics.

Professor Danielson's research interests have been in the application of mathematics and mechanics to problems in structures and physiology. His research has been supported by 6 National Science Foundation research grants and 5 National Institutes of Health research development awards. Published results include new equations for the nonlinear deformation of thin elastic shells, theories of shell stability, and mathematical models for the deformation of human red blood cells, muscular organs and skin.